

Sub D1  
C1  
a sheet having a least one opening therethrough and a plurality of solid blades extending downward therefrom, a portion of at least one of the plurality of blades having an anchor wherein said anchor helps prevent the sheet from being dislodged from [ for anchoring the device to ]the body surface; and

an agent delivery or sampling device connected to the sheet and positioned to deliver or sample an agent through the opening, the agent delivery or sampling device being selected from the group consisting of an electrotransport device, a passive diffusion device, an osmotic device, and a pressure driven device.

Sub D2  
C2  
30. (Twice Amended) A device for piercing the stratum corneum of a body surface to form pathways through which an agent can be introduced or withdrawn, comprising:

a sheet having a least a plurality of openings therethrough, at least one of said openings having a plurality of blades located along a periphery thereof and extending downward from the sheet and an anchor wherein said anchor helps prevent the sheet from being dislodged from [for anchoring the device to ]the body surface; and

an agent delivery or sampling device connected to the sheet and positioned to deliver or sample an agent through the opening, the agent delivery or sampling device being selected from the group consisting of an electrotransport device, a passive diffusion device, an osmotic device, and a pressure driven device.

Sub 1  
C2

80. (Once amended) The device of claim 30, in which at least one of said plurality of openings has no blades located along the periphery thereof wherein said openings having no blades [further comprising a plurality of second openings through the sheet] being spaced between the plurality of openings having blades.

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Please cancel claims 56 and 75.

Please add new claims:

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92. (New) The device of claim 6 wherein the thickness of the blades at the base is much less than the width of the blades at the base.

Sub 1  
C3

93. (New) The device of claim 6 wherein the number openings per unit area is in the range of at least about 10 openings/cm<sup>2</sup> to about 1000 openings/cm<sup>2</sup>.

94. (New) The device of claim 93 wherein the blade density per unit area is in the range of about 10 blades/cm<sup>2</sup> to about 1000 blades/cm<sup>2</sup>.

95. (New) The device of claim 94 wherein the blade density per unit area is in the range of about 600 blades/cm<sup>2</sup> to about 1000 blades/cm<sup>2</sup>.

96. (New) The device of claim 95 wherein the blade density per unit area is in the range of about 800 blades/cm<sup>2</sup> to about 1000 blades/cm<sup>2</sup>.

97. (New) The device of claim 6 in which the percolation area is in the range of about 0.005 to 0.05 cm<sup>2</sup>/cm<sup>2</sup> of body surface.

98. (New) The device of claim 30 wherein the thickness of the blades at the base is much less than the width of the blades at the base.

99. (New) The device of claim 30 wherein the number openings per unit area is in the range of at least about 10 openings/cm<sup>2</sup> to about 1000 openings/cm<sup>2</sup>.

100. (New) The device of claim 99 wherein the blade density per unit area is in the range of about 10 blades/cm<sup>2</sup> to about 1000 blades/cm<sup>2</sup>.

101. (New) The device of claim 100 wherein the blade density per unit area is in the range of about 600 blades/cm<sup>2</sup> to about 1000 blades/cm<sup>2</sup>.

102. (New) The device of claim 101 wherein the blade density per unit area is in the range of about 800 blades/cm<sup>2</sup> to about 1000 blades/cm<sup>2</sup>.

103. (New) The device of claim 102 in which the percolation area is in the range of about 0.005 to 0.05 cm<sup>2</sup>/cm<sup>2</sup> of body surface.